

IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE

APPLICATION FOR  
UNITED STATES UTILITY PATENT

**AIR SYSTEMS FOR VEHICLES**

Extra Set Claims - 1 - 20 - For PTO Examiner

INVENTOR  
FLOYD E. BIGELOW, JR.

CLAIMS:

1       1. A vehicle comprising  
2                 a vehicle body,  
3                 rotatable apparatus connected to the vehicle body  
4                 for movement of the vehicle, and  
5                 an air system connected to the vehicle, the air  
6                 system for directing a flow of air at the rear of a head of a  
7                 person occupying the vehicle.

1       2. The vehicle of claim 1 further comprising  
2                 a power supply for the air system.

3       the at least one fan is two spaced-apart fans.

1       3. The vehicle of claim 1 wherein the power supply is  
2         portable.

1       4. The vehicle of claim 1 further comprising  
2                 the air system comprising at least one fan apparatus  
3                 positionable behind the person occupying the vehicle.

1       5. The vehicle of claim 4 wherein the at least one fan is  
2         two spaced-apart fans.

1       6. The vehicle of claim 5 wherein the vehicle has a roof and  
2         a space beneath the roof and wherein the two spaced-apart fans are  
3         positioned for directing air into the space beneath the roof to  
4         dissipate hot air beneath the roof.

1       7. The vehicle of claim 6 wherein air flows from each fan  
2         intersect creating an area of turbulent air flow beneath the roof.

1       8. The vehicle of claim 1 wherein the vehicle has a driver  
2         having a head and the air system comprises a fan positioned behind  
3         the driver, the fan positioned for directing an air flow at a rear  
4         of the driver's head and neck.

1       9. The vehicle of claim 1 wherein the vehicle has two  
2         occupants and the air system comprises two spaced-apart fans, a  
3         first one of the spaced-apart fans for directing a flow of air at  
4         a first of the two occupants and a second one of the spaced-apart  
5         fans for directing a flow of air at a second of the two occupants.

1           10. The vehicle of claim 1 wherein the vehicle has a roof and  
2 the roof has at least one elongated opening therethrough, the at  
3 least one elongated opening extending in an opening direction along  
4 the roof,

5                         the air system further comprising at least one fan  
6 mounted to the vehicle beneath the roof for directing a flow  
7 of air in the direction of the opening direction.

1           11. The vehicle of claim 10 wherein the at least one fan is  
2 a plurality of spaced-apart fans.

1           12. The vehicle of claim 1 further comprising  
2                         roof mount structure on the vehicle body,  
3                         a roof on the roof mount structure, and  
4                         at least part of the roof made of insulating  
5 material.

1           13. A vehicle comprising  
2                         a vehicle body,  
3                         rotatable apparatus connected to the vehicle body  
4 for movement of the vehicle,  
5                         roof mount structure on the vehicle body,  
6                         a roof on the roof mount structure, and  
7                         an air system connected to the vehicle for directing  
8 a flow of air to an area beneath the roof for dissipating hot  
9 air beneath the roof.

1           14. The vehicle of claim 13 wherein the air system comprises  
2 at least one fan.

1           15. The vehicle of claim 14 wherein the at least one fan is  
2 two spaced-apart fans and air flows from each fan intersect  
3 creating an area of turbulent air flow beneath the roof.

1           16. The vehicle of claim 13 wherein the vehicle has a roof  
2 and the roof has at least one elongated opening therethrough, the  
3 at least one elongated opening extending in an opening direction  
4 along the roof,

5                         the air system further comprising at least one fan

6           mounted to the vehicle beneath the roof for directing a flow  
7           of air in the direction of the opening direction.

1  
2       17. The vehicle of claim 13 wherein the air system directs  
3       a flow of air at the rear of a head of a person occupying the  
vehicle.

1  
2       18. The vehicle of claim 1 further comprising  
a power supply for the air system.

1  
2       19. A method for cooling a person occupying a vehicle, the  
3       vehicle comprising a vehicle body, rotatable apparatus connected  
4       to the vehicle body for movement of the vehicle, and an air system  
5       connected to the vehicle, the air system for directing a flow of  
6       air at a rear of a head of the person occupying the vehicle, the  
method comprising

7           flowing air from the air system at the rear of the  
8       head of the person occupying the vehicle.

1  
2       20. A method for dissipating heat from a space beneath a roof  
3       of a vehicle, the vehicle comprising a vehicle body, rotatable  
4       apparatus connected to the vehicle body for movement of the  
5       vehicle, roof mount structure on the vehicle body, a roof on the  
6       roof mount structure, and an air system connected to the vehicle  
7       for directing a flow of air to a space beneath the roof for  
dissipating hot air beneath the roof, the method comprising

8           flowing air from the air system into the space  
9       beneath the roof to dissipate hot air in said space.

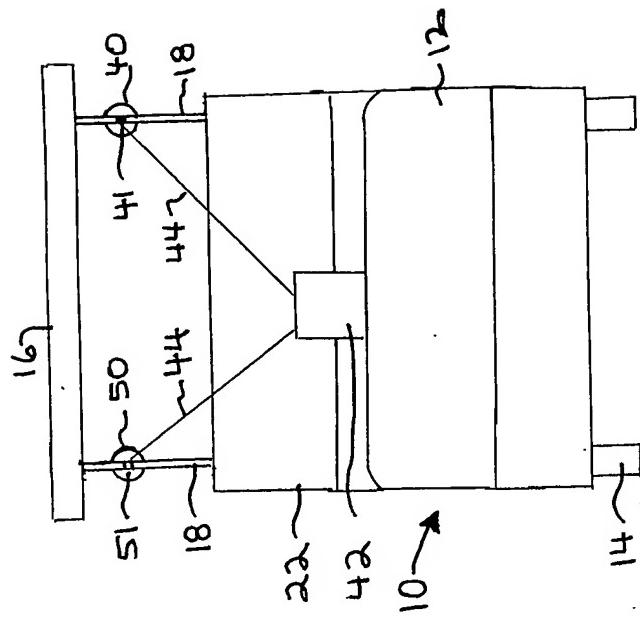
IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE

APPLICATION FOR  
UNITED STATES UTILITY PATENT

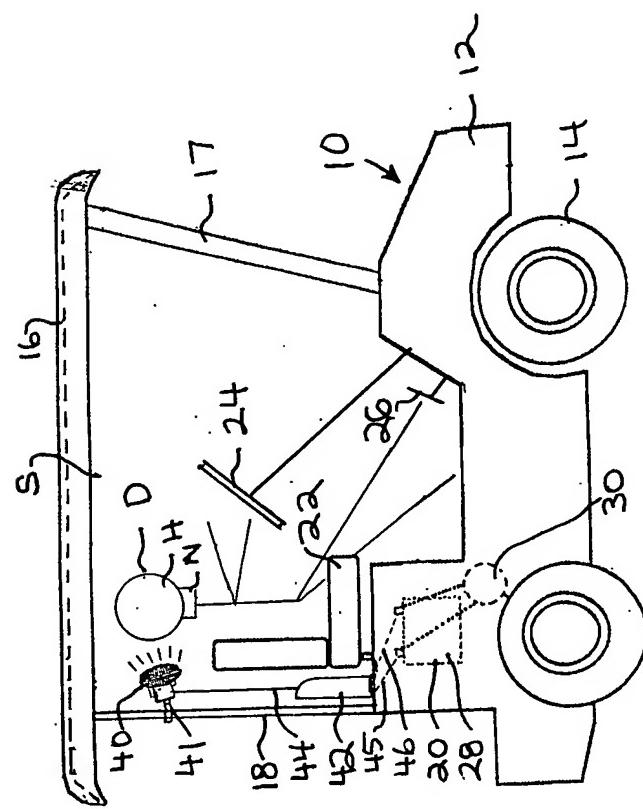
**AIR SYSTEMS FOR VEHICLES**

Extra Set Drawings - 2 Sheets - For PTO Examiner

INVENTOR  
FLOYD E. BIGELOW, JR.



**Fig. 1B**



**Fig. 1A**

